

INFORMATION DISCLOSURE  
CITATION

ATTY. DOCKET NO.

APPLN. NO.

4052-4

09/735,918

APPLICANT

MORALES et al.

(Use several sheets if necessary)

FILING DATE

GROUP ART UNIT

December 14, 2000

1623

## U.S. PATENT DOCUMENTS

\*EXAMINER

INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPR	DATE	PRIATE
DPH	A	2,150,757	03/1939	Bodine				
	B	2,684,925	07/1954	Ferrari, Jr.				
	C	3,389,052	06/1968	Ehrenreich et al.				
	D	3,546,334	12/1970	Lerner et al.				
	E	3,674,040	07/1972	Howells et al.				
	F	3,892,197	07/1975	Kinney et al.				
	G	3,961,097	06/1976	Gravlee, Jr.				
	H	3,995,022	11/1976	Heanley et al.				
	I	4,099,483	07/1978	Henderson				
	J	4,141,312	02/1979	Louder et al.				
	K	4,199,558	04/1980	Henderson				
	L	4,221,823	09/1980	Pearson et al.				
	M	4,300,243	11/1981	Baumgartner				
	N	4,545,831	10/1985	Ornstein				
	O	4,656,047	04/1987	Kok et al.				
	P	4,670,386	06/1987	Sugaar				
	Q	4,681,996	07/1987	Collins et al.				
	R	4,784,873	11/1988	Kienecker et al.				
DPH	S	4,835,354	05/1989	Collins et al.				

## FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	YES	NO
DPH T	WO 98/05938	02/1998	WIPO				

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

DPH	U	J. Ben-Ezra et al., "Effect of Fixation on the Amplification of Nucleic Acids from Paraffin-embedded Material by the Polymerase Chain Reaction", <i>The Journal of Histochemistry and Cytochemistry</i> , Vol. 39, No. 3, pp. 351-354, 1991
	V	M.E. Boon et al., "The Two-Step Vacuum-Microwave Method for Histoprocessing", <i>Microwave Newsletter</i> , Vol. 33 No. 4, pp. 349-358, November 1995
	W	D.G. Bostwick, et al., "Establishment of the Formalin-Free Surgical Pathology Laboratory", <i>Arch. Pathol. Lab Med.</i> , Vol. 118, pp. 298-302, March 1994
	X	I. Dimulescu et al., "Characterization of RNA in Cytologic Samples Preserved in a Methano-Based Collection Solution", <i>Molecular Diagnosis</i> , Vol. 3, No.2, pp. 67-72, June 1998
	Y	R.D. Foss, et al., "Effects of Fixative and Fixation Time on the Extraction and Polymerase Chain Reaction Amplification of RNA from Paraffin-Embedded Tissue", <i>Diagn. Mol. Pathol.</i> , Vol. 3, No. 3, pp. 148-155, 1994
	Z	W.J. Frable, "Cytology Automation", <i>Am. J. Clin. Pathology</i> , pp.121-122, February 1994
	AA	S.M. Goldsworthy, "Effects of Fixation on RNA Extraction and Amplification from Laser Capture Microdissected Tissue", <i>Molecular Carcinogenesis</i> , Vol. 25, pp. 86-91, 1999
DPH	BB	M.L. Hutchinson, "Homogeneous Sampling Accounts for the Increased Diagnostic Accuracy Using the ThinPrep™ Processor", <i>Am. J. Clin. Pathology</i> , Vol. 101, No. 2, pp. 215-219, February 1994

\*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A	4,839,194	06/1989	Malluche et al.			
B	4,882,128	11/1989	Hukvari et al.			
C	4,891,239	01/1990	Dudley et al.			
D	4,911,915	03/1990	Fredenburgh			
E	4,992,763	02/1991	Bert et al.			
F	5,023,187	06/1991	Koebler et al.			
G	5,030,929	07/1991	Moeller			
H	5,049,510	09/1991	Repasi et al.			
I	5,068,086	11/1991	Sklenak et al.			
J	5,089,288	02/1992	Berger			
K	5,104,640	04/1992	Stokes			
L	5,122,633	06/1992	Moshhammer, et al.			
M	5,244,787	09/1993	Key et al.			
N	5,256,571	10/1993	Hurley et al.			
O	5,289,140	02/1994	Jorgenson, et al.			
P	5,318,795	06/1994	Stokes et al.			
Q	5,387,397	02/1995	Strauss et al.			
R	5,401,625	03/1995	Robinson			
S	5,431,952	07/1995	Ocello			

## FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

T	L.P. Kok et al., "Ultrarapid Vacuum-Microwave Histoprocessing", <i>Histochemical Journal</i> , Vol. 27, pp. 411-419, 1995
U	M. Koopmans et al., "Optimization of Extraction and PCR Amplification of RNA Extracts from Paraffin-Embedded Tissue in Different Fixatives", <i>Journal of Virological Methods</i> , Vol. 43, pp. 189-204, 1993
V	P. Maxwell et al., "Use of Alcohol Fixed Cytospins Protected by 10% Polyethylene Glycol in Immunocytology External Quality Assurance", <i>Journal Clin. Pathol.</i> , Vol. 52, pp. 141-144, 1999
W	W. Möller et al., "Chemical Dehydration for Rapid Paraffin Embedding", <i>Biotechnic &amp; Histochemistry</i> , Vol. 69, No. 5, pp. 289-290, 1994
X	Y. Sato et al., "A Simplified Technique of Tissue Processing and Paraffin Embedding With Improved Preservation of Antigens of Immunostaining", <i>Am. J. Pathol.</i> , Vol. 125, pp. 431-435, December 1986
Y	Y. Sato et al., "The Amex Method: A Multipurpose Tissue-Processing....Slot-Blot Hybridization Analysis", <i>Journal of Pathology</i> , Vol. 163, pp. 81-85 1991
Z	R. Takahashi et al., "Freeze Substitution And Freeze....for Immunostaining", <i>Acta Cytologica</i> , Vol. 40, No. 3, pp. 396-400, May-June 1996
AA	"Biogenex Victorious in Infringement Suit", <i>Biotechnology Law Report</i> , Vol. 478, No. 4, July-August 1997

\*Examiner

Date Considered

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DK	A 5,432,056	07/1995	Hartman et al.			
	B 5,460,797	10/1995	Ryan			
	C 5,532,462	07/1996	Butwell et al.			
	D 5,625,706	04/1997	Lee et al.			
	E 5,672,696	09/1997	Wang et al.			
	F 5,679,333	10/1997	Dunphy			
	G 5,712,605	01/1998	Flory et al.			
	H 5,796,080	08/1998	Jennings et al.			
	I 5,830,417	11/1998	Kingston			
	J 5,849,517	12/1998	Ryan			
	K 6,042,874	03/2000	Visinoni et al.			
	L 6,072,086	06/2000	James et al.			
	M 6,183,995 B1	02/2001	Burner et al.			
	N 6,204,375 B1	03/2001	Lader			
	O 6,207,408 B1	03/2001	Essenfeld et al.			
	P 6,248,535 B1	06/2001	Danenberg et al.			
	Q 6,291,180 B1	09/2001	Chu			

## FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
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## OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

DK	R	Sakura Tissue-Tek VIP Vacuum Infiltration Processor Series; Pamphlet (1996)
	S	Multiwax Microcrystalline Waxes From Sonneborn: The Standard Of The Industry; WITCO Pamphlet
	T	Sonneborn White Oils: The Clear Choice Since 1903; WITCO Pamphlet (1987)
	U	Paraffin Tissue Processor--HMP 300; Microm; Carl Zeiss Pamphlet
	V	Shandon/Lipshaw Pathcentre Enclosed Tissue Processor Product Brochure (1995)
	W	Shandon Hypercenter XP Pamphlet (1994)
	X	Tissue-Tek V.I.P. Vacuum Infiltration Processor E150/E300 Series, Operating Manual (1992)
	Y	Tissue-Tek V.I.P. Vacuum Infiltration Processor (Bench and Floor Models), Operating Manual (1992)
	Z	Ventana Medical Systems, Inc., Renaissance Tissue Processor
	AA	Milestone Micromed T/T Mega Microwave Labstation for Pathology
	BB	Zubkova et al., "Acceleration of histologic tissue processing and decalcification using a microwave oven", Arkh Patol 59(2):64-66, (March-April 1997) (Abstract only)
	CC	Zubkova et al., "Histologic tissue processing in an automated microwave histoprocessor", Arkh Patl 61(3):48-49 May-June 1999 (Abstract only)
	DD	Kovacs et al., "Experiences with a new vacuum-accelerated microwave histoprocessor", Orv Hetil 137(27):1479-1483, (July 1996) (Abstract only)
	EE	Bellotti et al. "Use of the Microwave Oven for Cell Block Preparation", Acta Cytol 41(2):610-611, (March-April 1997)
	FF	Kovacs et al., "Working Experience with a New Vacuum-Accelerated Microwave Histoprocessor", J. Pathol. 180(1): 106-110, (September 1996)
	GG	Marani et al., "The Search for Vacuo-Microwave Technique: The Vacuum-Microwave Oven", Eur. J. Morphol. 34(2):123-130, (1996)

\*Examiner

Date Considered

*August 14/03*

INFORMATION DISCLOSURE  
CITATION

ATTY. DOCKET NO.

APPLN. NO.

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December 14, 2000

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AR						
BR						
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ER						
FR						
GR						
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## FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DLH NR 0822403 02/1998 Europe					
DLH OR 0562877 09/1993 Europe					
DLH PR WO 86/06479 11/1986 WIPO					
QR					
RR					
SR					
TR					
UR					
VR					

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

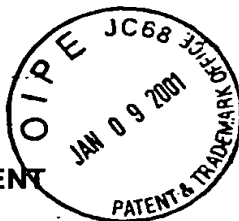
DLH	WR	Stokes, "Compositions for Fixing Biological Smears on Slides - Comprising non-Aqueous Fixative Liquid, Stabiliser and Solubilising Agent" Biosis Database Accession No. XP002208633 (1992)
DLH	XR	Gayle et al. "Evaluation of Clearing and Infiltration Mixtures (CIMs) as Xylene Substitutes for Tissue Processing" Biosis Database Accession No. XP002220503 (1994)
	NY	
	ZR	
	AAR	
	BBR	
	CCR	
	DDR	
	EER	
	FFR	

\*Examiner

Date Considered

Shayne K. Hardy

3/17/03



Atty. Dkt. No.	M#	Client Ref.
	0266848	UM1997-34AB

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Applicant: MORALES et al.	
Appln. No.: 09/735,918	
Filing Date: December 14, 2000	
Examiner: Unknown	Group Art Unit: Unknown

Date: January 9, 2001 Page 1 of 1

**U.S. PATENT DOCUMENTS**

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					
	ER					
	FR					
	GR					
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	IR					
	JR					
	KR					
	LR					

**FOREIGN PATENT DOCUMENTS**

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
					Enclosed	No	Enclose	No
	MR							
	NR							
	OR							
	PR							
	QR							
	RR							
	SR							

**OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

DRH	TR	BUESA, "Mineral Oil: The Best Xylene Substitute for Tissue Processing Yet?," The Journal of Histotechnology, Vol. 23, No. 2, June 2000, pages 143-149			
DRH	UR	LIOTTA et al., "Molecular Profiling of Human Cancer," Nature Reviews Genetics, Volume 1, October 2000, pages 48-55			
DRH	VR	Tissue-Tek V.I.P., "Vacuum Infiltration Processor (Bench and Floor Models V.I.P. 1000, 2000 and 3000) Operating Manual," Miles Inc., Second Edition, September 1992, pages 1.0-9.1			
DRH	WR	Tissue-Tek V.I.P., "Vacuum Infiltration Processor E150/E300 Series Operating Manual," Miles Inc., First Edition, September 1993, pages 1.1-A.8			
DRH	XR	www.mopec.com/tpc15.html, "Medite TPC15 Tissue Processor," Mopec Pathology, Laboratory and Morgue Equipment, December 13, 1999, pages 1-2			
	YR				

Examiner [Signature] Date Considered:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)  
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Patent and Trademark Office



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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: MORALES et al.

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Examiner: Unknown

Group Art Unit: Unknown

## U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
DPH	AR	5,230,865	07/1993	HARGETT et al.			
	BR	5,782,897	07/1998	CARR			
	CR	5,875,286	02/1999	BERNSTEIN et al.			
	DR						
	ER						
	FR						
	GR						
	HR						
	IR						
	JR						
	KR						
	LR						
	MR						
	NR						

## FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name		English Abstract		Translation Readily Available	
							Enclosed	No	Enclose	No
DPH	OR	WO 99/09390	02/1999	WIPO	ESSENFELD et al.		x		x	
	PR	0 680 243 A2	04/1995	EUROPE	BUTWELL et al.		x		x	
	QR	0 822 403 A1	08/1996	EUROPE	LAUTENSCHLÄGER et al.		x		x	
	RR	0 840 582 A2	11/1997	EUROPE	HEID et al.			x		x
	SR									
	TR									
	UR									
	VR									
	WR									
	XR									

## OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

	YR									
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